

## Sequence Comparison

A41551  
vascular endothelial growth factor 206 precursor - human  
N;Alternate names: vascular permeability factor  
N;Contains: vascular endothelial growth factor 121 (VEGF 121); VEGF 165; VEGF 189; VEGF 206  
C;Species: Homo sapiens (man)  
C;Date: 28-Aug-1992 #sequence\_revision 28-Aug-1992 #text\_change 05-Nov-1999  
C;Accession: A41551; C41551; B41551; A40454; B40454; C40454; A40079; A40080; JQ1463; JQ1464; A34492; S17348  
R;Houck, K.A.; Ferrara, N.; Winer, J.; Cachianes, G.; Li, B.; Leung, D.W.  
Mol. Endocrinol. 5, 1806-1814, 1991  
A;Title: The vascular endothelial growth factor family: identification of a fourth molecular species and characterization of alternative splicing of RNA.  
A;Reference number: A41551; MUID:92168017; PMID:1791831  
A;Accession: A41551  
A;Molecule type: mRNA  
A;Residues: 1-232 <HOU1>  
A;Cross-references: GB:S85192; NID:g246155; PID:g246156  
A;Accession: C41551  
A;Status: nucleic acid sequence not shown  
A;Molecule type: mRNA  
A;Residues: 1-140,'N',183-232 <HOU2>  
A;Accession: B41551  
A;Status: nucleic acid sequence not shown; not compared with conceptual translation  
A;Molecule type: mRNA  
A;Residues: 1-141,227-232 <HOU>  
R;Tischer, E.; Mitchell, R.; Hartman, T.; Silva, M.; Gospodarowicz, D.; Fiddes, J.C.; Abraham, J.A.  
J. Biol. Chem. 266, 11947-11954, 1991  
A;Title: The human gene for vascular endothelial growth factor. Multiple protein forms are encoded through alternative exon splicing.  
A;Reference number: A40454; MUID:91268072; PMID:1711045  
A;Accession: A40454  
A;Molecule type: DNA  
A;Residues: 1-165,183-232 <TI1>  
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63976; GB:M63977; GB:M63978; NID:g340213; PIDN:AAA36804.1; PID:g340215  
A;Accession: B40454  
A;Molecule type: DNA  
A;Residues: 1-140,'N',183-232 <TI2>  
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63977; GB:M63978  
A;Accession: C40454  
A;Molecule type: DNA  
A;Residues: 1-141,227-232 <TI3>  
A;Cross-references: GB:M63971; GB:M63972; GB:M63973; GB:M63974; GB:M63975; GB:M63978  
R;Keck, P.J.; Hauser, S.D.; Krivi, G.; Sanzo, K.; Warren, T.; Feder, J.; Connolly, D.T.  
Science 246, 1309-1312, 1989  
A;Title: Vascular permeability factor, an endothelial cell mitogen related to PDGF.  
A;Reference number: A40079; MUID:90069609; PMID:2479987  
A;Accession: A40079  
A;Status: not compared with conceptual translation  
A;Molecule type: mRNA  
A;Residues: 1-165,183-232 <KEC>  
A;Cross-references: GB:M27281; NID:g340300; PIDN:AAA36807.1; PID:g340301  
R;Leung, D.W.; Cachianes, G.; Kuang, W.J.; Goeddel, D.V.; Ferrara, N.  
Science 246, 1306-1309, 1989  
A;Title: Vascular endothelial growth factor is a secreted angiogenic mitogen.  
A;Reference number: A40080; MUID:90069608; PMID:2479986  
A;Accession: A40080  
A;Status: not compared with conceptual translation  
A;Molecule type: mRNA

A;Residues: 1-140,'N',183-232 <LEU>  
A;Cross-references: GB:M32977; NID:g181970; PIDN:AAA35789.1; PID:g181971  
R;Weindel, K.; Marme, D.; Weich, H.A.  
Biochem. Biophys. Res. Commun. 183, 1167-1174, 1992  
A;Title: AIDS-associated Kaposi's sarcoma cells in culture express vascular  
endothelial growth factor.  
A;Reference number: JQ1463; MUID:92231879; PMID:1567395  
A;Accession: JQ1463  
A;Molecule type: mRNA  
A;Residues: 1-140,'N',183-232 <WEI>  
A;Cross-references: EMBL:X62568; NID:g37658; PIDN:CAA44447.1; PID:g37659  
A;Experimental source: AIDS-Kaposi's sarcoma cell  
A;Accession: JQ1464  
A;Molecule type: mRNA  
A;Residues: 1-140,'N',227-232 <WE2>  
A;Experimental source: AIDS-Kaposi's sarcoma cell  
R;Connolly, D.T.; Olander, J.V.; Heuvelman, D.; Nelson, R.; Monsell, R.; Siegel, N.;  
Haymore, B.L.; Leimgruber, R.; Feder, J.  
J. Biol. Chem. 264, 20017-20024, 1989  
A;Title: Human vascular permeability factor. Isolation from U937 cells.  
A;Reference number: A34492; MUID:90062112; PMID:2584205  
A;Accession: A34492  
A;Molecule type: protein  
A;Residues: 27-36;43-49,'R';72-76,'Q',78-81;59-71 <CON>  
C;Comment: The most common of several alternatively spliced forms is VEGF 165.  
C;Genetics:  
A;Gene: GDB:VEGF  
A;Cross-references: GDB:132244; OMIM:192240  
A;Map position: 6p21-6p12  
C;Function:  
A;Description: promotes fluid and protein leakage from blood vessels